

IN THE CLAIMS:

1. – 4. (Cancelled)

5. (Currently Amended) An afterburner device for stoves for burning biomass, coke or coal, supplying fresh, heated air to an upper zone of the a stove's combustion chamber in the stove, wherein the device is constituted by a plate, that is folded to form a chamber when installed on the inner side of a side or rear wall of an existing traditional stove, that the existing traditional stove is provided with at least one secondary air aperture providing communication between ambient air and the chamber near the bottom of said chamber, and that the plate is provided with at least one first hole in communication with said combustion chamber near the bottom of said chamber.

6. (Previously Presented) The afterburner device according to claim 5, wherein the plate has at least one second hole in communication with said upper zone of the stove's combustion chamber near the top of said chamber, whereby air drawn in through the at least one secondary air aperture is pre-heated while rising up behind the plate within said chamber, and is expelled through the at least one second hole into the upper zone of the stove's combustion chamber.

7. (Previously Presented) The afterburner device according to claim 5, wherein the at least one first hole establish and maintain a pilot flame.

8. (Previously Presented) The afterburner device according to claim 5, wherein the plate consists of two parts which can be mutually displaced to provide an adjustable dimension in a lateral direction when installed, for adaptation to stoves of different sizes.